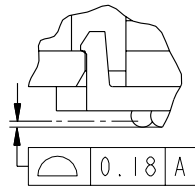


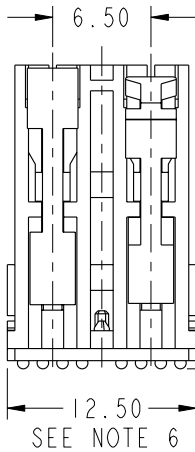


PRODUCT NUMBER
SEE TABLE



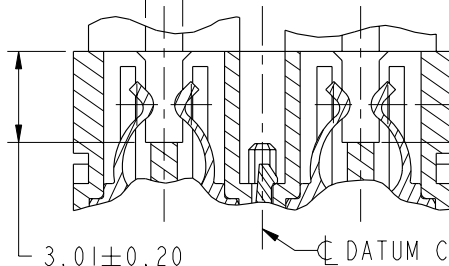
SEE NOTE 4

DETAIL E
SCALE 4:1

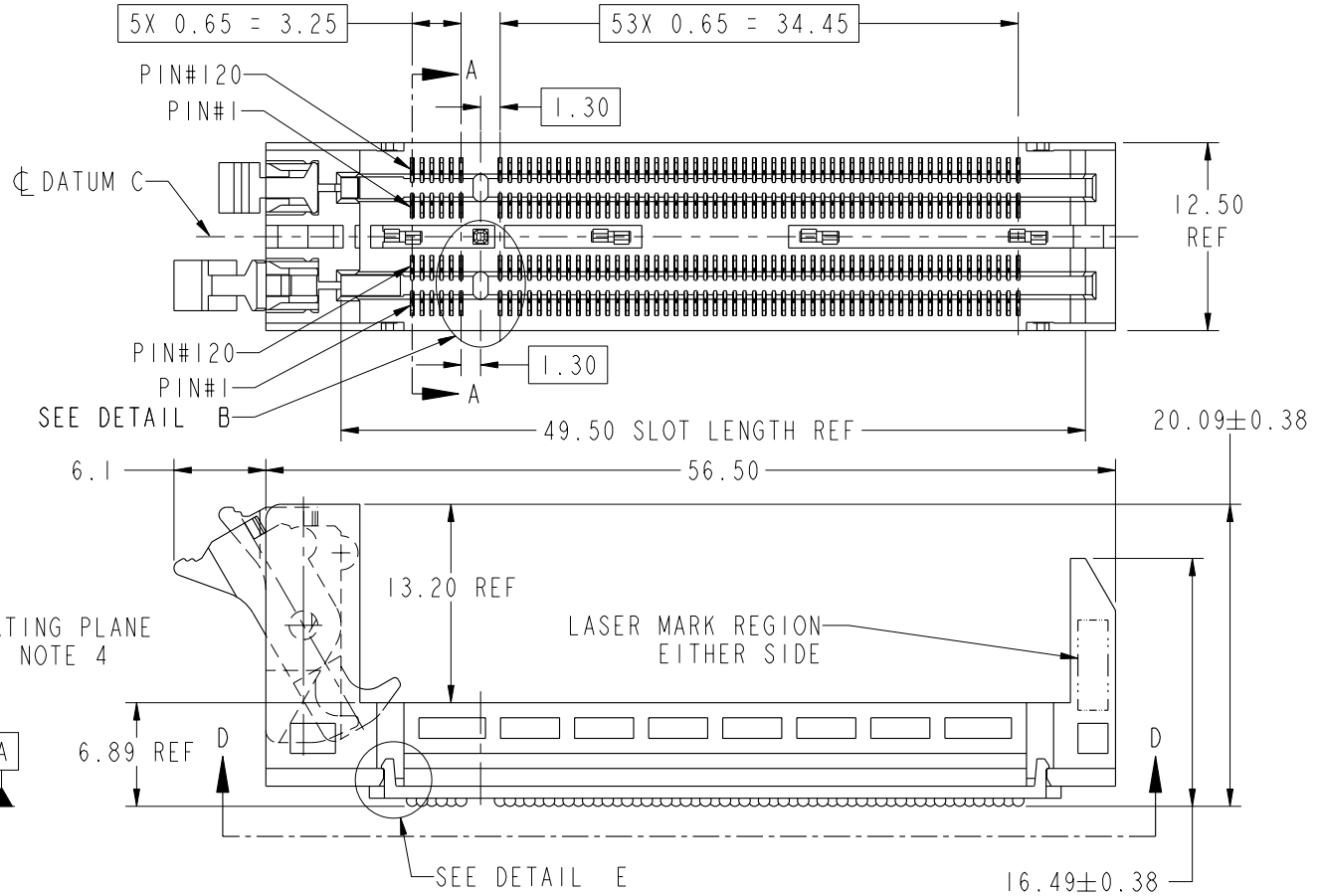


SEE NOTE 6

2X 1.230
BOARD SLOT



SECTION A-A
SCALE 4:1
ROTATED 90° CCW



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCi		www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3				COPY		title	FINAL ASSY. - DUAL VERT. SO DIMM W/BGA			
A	V11593	BMR	05/29/01		0.XX ±0.13				projection						
B	V21135	AJV	09/11/02		0.XXX ±0.051										
C	V06-1110	LP	2006/11/14	angles	0° ±2°										
D	V07-0446	LP	2007/09/04		dr	A.ZEREBILOV 11/30/00						product family		BGA MEMORY	
				enrg	A.VASBINDER 11/30/00				size			dwg no		213	
				chr	A.VASBINDER 11/30/00				scale	A	63348		sheet 1 of 5		
				appd	A.VASBINDER 11/30/00										
sheet index	revision sheet	D 1	D 2	D 3	D 4	D 5									

Pro/E

3

cage code 22526

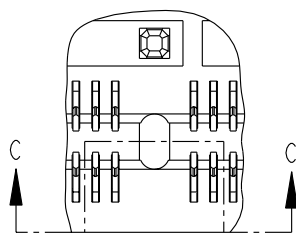
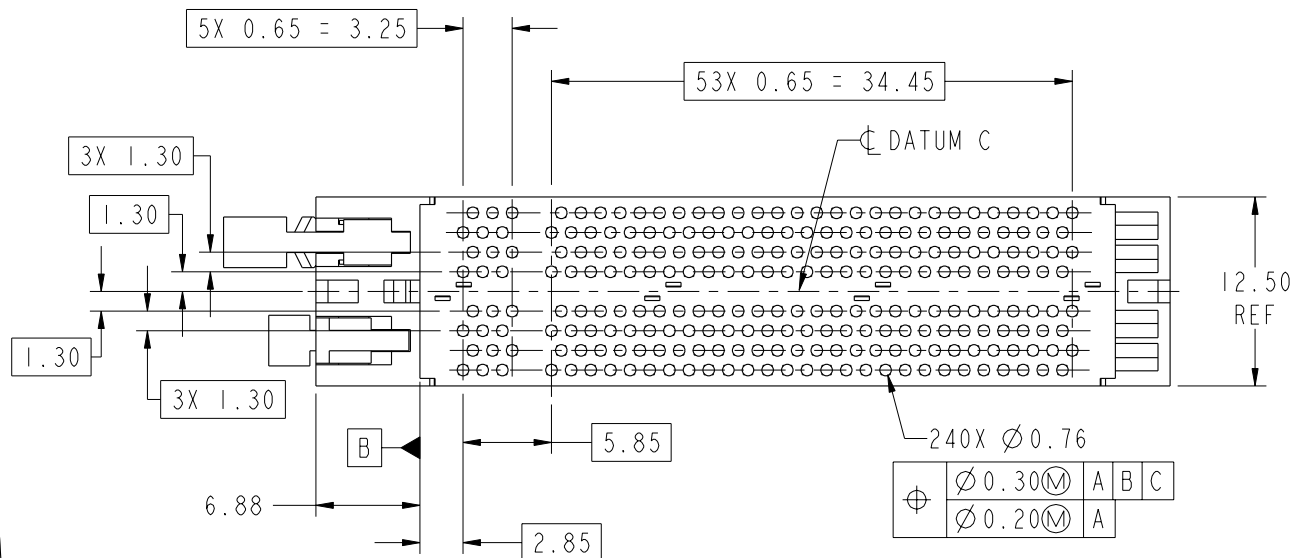
4

PDM: Rev:D

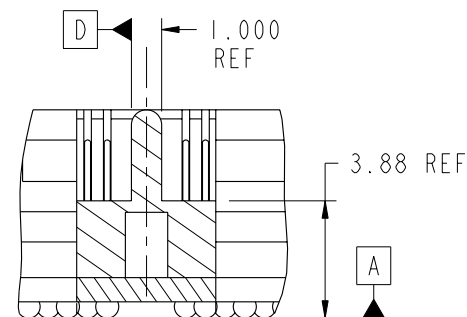
STATUS: Released

Printed: Dec 01, 2010

PRODUCT NUMBER
SEE TABLE



DETAIL B
SCALE 4:1



SECTION C-C

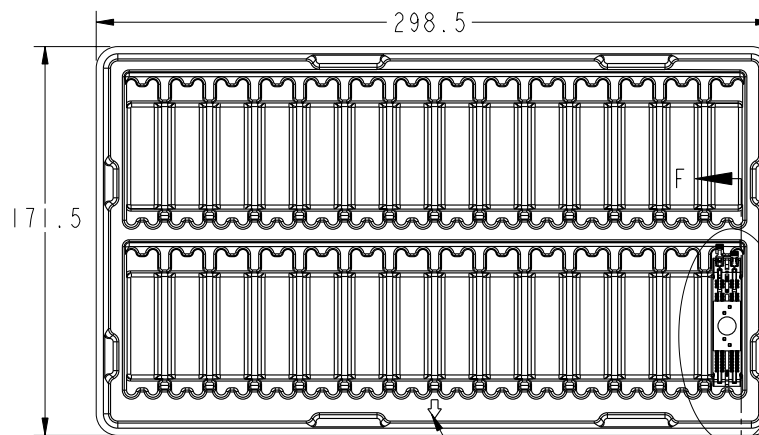
mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI			
ltr	ecr no.	dr	date	linear	0.X ± 0.3	COPY		www.fciconnect.com			
D				linear	0.XX ± 0.13	projection		title FINAL ASSY. - DUAL VERT. SO DIMM W/BGA			
				angles	0.XXX ± 0.051			product family BGA MEMORY code 213			
				dr	A. ZEREBILOV 11/30/00	MM		size dwg no 63348 sheet 2			
				enr	A. VASBINDER 11/30/00	scale					
				chr	A. VASBINDER 11/30/00	2:1					
				appd	A. VASBINDER 11/30/00						
sheet index	revision sheet							cage code 22526			

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P/N TABLE	PICK UP CAP	PACKAGE QTY.	ORIENTATION IN TRAY	SOLDER BALL
63348-002	YES	224 PER BOX	SIDE - SEE NOTE 7	63/37 TIN/LEAD
63348-003	YES	140 PER BOX	VERTICAL	63/37 TIN/LEAD
63348-002LF	YES	224 PER BOX	SIDE - SEE NOTE 7	Sn Au Cu LEAD FREE (SEE NOTE 8 & 9)
63348-003LF	YES	140 PER BOX	VERTICAL	Sn Au Cu LEAD FREE (SEE NOTE 8 & 9)

PACKAGING DETAIL FOR
PART NUMBER 63348-003.
(SUITABLE FOR AUTO PICK AND
PLACE DIRECT FROM TRAY)



SCALE 3:10

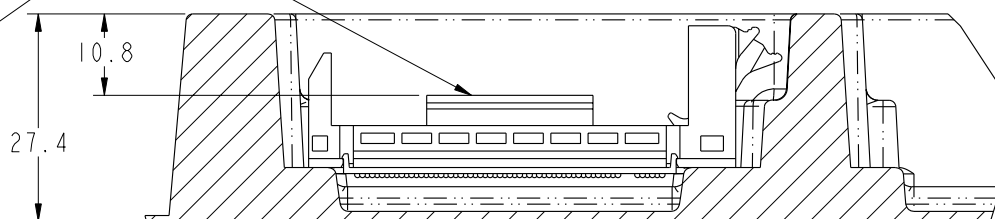
F

SEE DETAIL K

BGA CONNECTOR
IN TRAY POCKET 28X

PLASTIC
PICK UP CAP

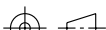
TRAY ORIENTATION ARROW



PARTIAL SECTION F-F
ROTATED 90° SCALE 1:1

Ø8.00 VACUUM
PICK AREA

DETAIL K
SCALE 1:1

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0. X $\pm$ 0.3		COPY				
D					0. XX $\pm$ 0.13		projection				
				angles	0. XXX $\pm$ 0.051			title FINAL ASSY. - DUAL VERT. SO DIMM W/BGA			
					0° $\pm$ 2°						
				dr	A. ZEREBILOV 11/30/00			product family		BGA MEMORY	code
				enrg	A. VASBINDER 11/30/00			size	dwg no		213
				chr	A. VASBINDER 11/30/00		scale	A		63348	sheet
				appd	A. VASBINDER 11/30/00						2:5
sheet index		revision sheet									

Pro/E

cage code 22526

4

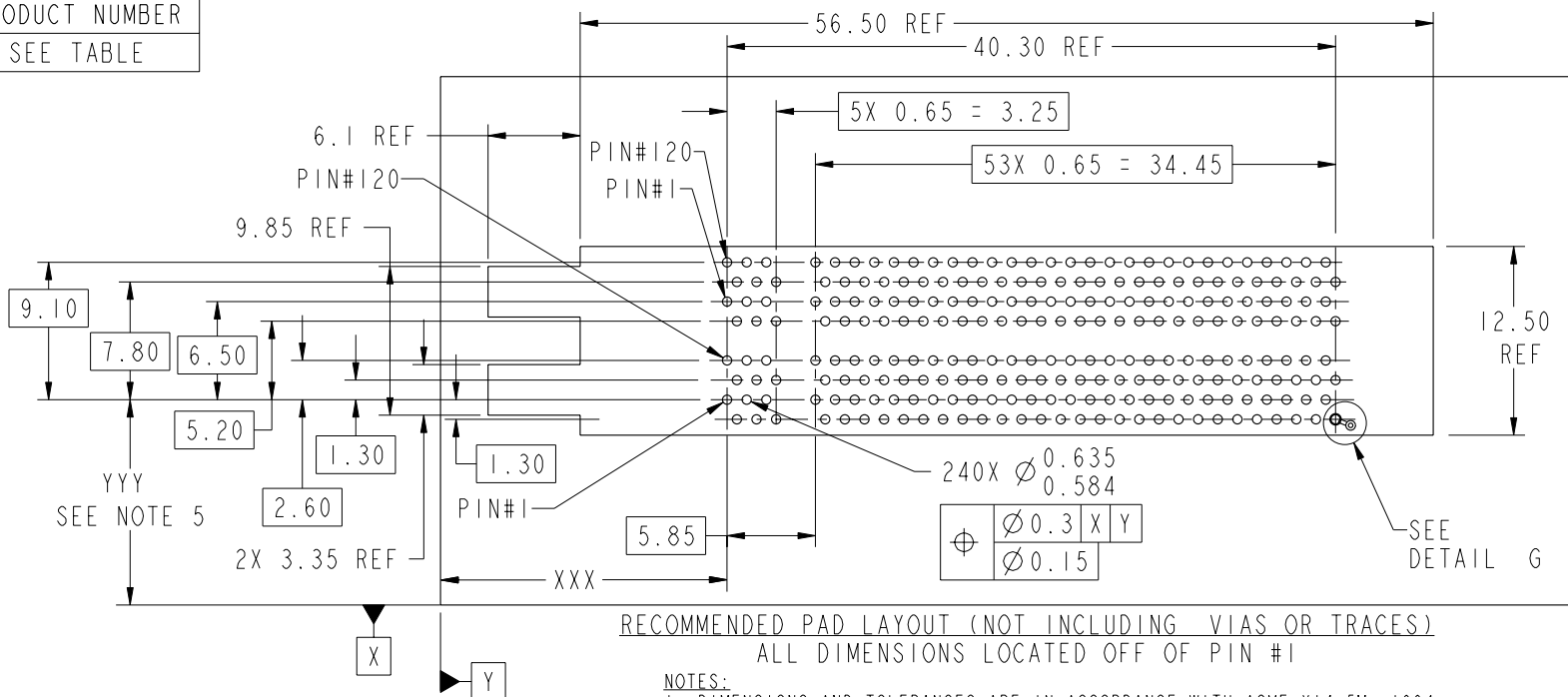
PDM: Rev:D

STATUS: Released

Printed: Dec 01, 2010



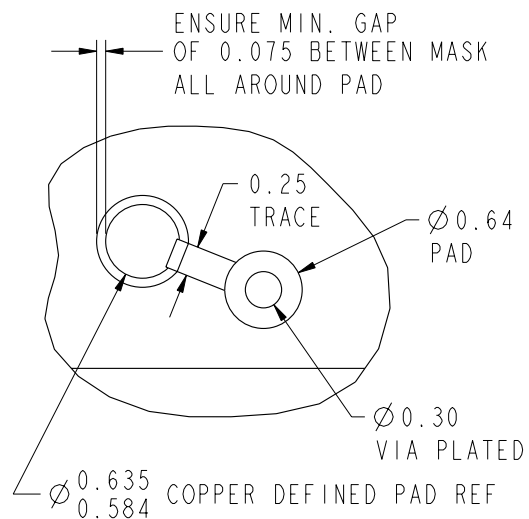
PRODUCT NUMBER
SEE TABLE



RECOMMENDED PAD LAYOUT (NOT INCLUDING VIAS OR TRACES)
ALL DIMENSIONS LOCATED OFF OF PIN #1

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.
2. MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL 94V-0 RATED. HOUSING COLOR: BLACK, EJECTOR COLOR: NATURAL. TERMINAL MATERIAL: PHOS. BRONZE; SOLDER BALL MATERIAL: 63/37 TIN/LEAD OR Sn Au Cu PLATING: 0.76um MIN. GOLD, REQUIRED ON CONTACT SURFACE. 1.27um MIN. NICKEL UNDERPLATE ALL OVER.
- ④ PROFILE CONTROL OF BALL GRID IS MEASURED FROM SEATING PLANE (DATUM A). SEATING PLANE IS FORMED BY THE 3 SPHERICAL CROWNS THAT WOULD REST ON A SURFACE PLATE.
- ⑤ DATUMS X AND Y AND DIMENSIONS XXX AND YYY TO BE DETERMINED BY CUSTOMER.
- ⑥ DATUM C IS THE CENTERLINE OF THE MEASURED WIDTH OF SPACER.
- ⑦ PARTS ARE ORIENTED IN TRAY ON THEIR SIDE, AND ARE NOT SUITED FOR AUTOMATED PICK AND PLACE DIRECTLY FROM THE TRAY.
- ⑧ LEADFREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS DUE TO A HIGHER REFLOW TEMPERATURE, LEADFREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH LEADED SOLDERING APPLICATIONS.
- ⑨ THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008 PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.



DETAIL G: INDIVIDUAL PAD
(INCLUDING VIA AND TRACE)
SCALE 16:1
240X

mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY	
D					0.XX ±0.13	projection	
				angles	0.XXX ±0.051		
					0° ±2°		
		dr		A. ZEREBILOV	11/30/00		title
		enrg		A. VASBINDER	11/30/00		FINAL ASSY. - DUAL VERT. SO DIMM W/BGA
		chr		A. VASBINDER	11/30/00		product family
		appd		A. VASBINDER	11/30/00		BGA MEMORY
sheet index	revision sheet					scale	code
						2:1	213
							sheet 4



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size

dwg no
63348

cage code
22526

Pro/E

3

4

PDM: Rev:D

STATUS: Released

Printed: Dec 01, 2010



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